

PROJECTION TYPE CATHODE RAY TUBE

Patent number: JP2011694
Publication date: 1990-01-16
Inventor: MORITA YASUKAZU; others: 01
Applicant: HITACHI LTD
Classification:
- **International:** C09K11/08; C09K11/63; H01J29/20
- **European:**
Application number: JP19880159138 19880629
Priority number(s):

Abstract of JP2011694

PURPOSE:To provide a projection type cathode ray tube excelling in hue, saturation luminance, life, etc., and having a short afterglow by mixing a green light emitting phosphor InBO3:Tb with other specified green light emitting phosphors and forming a fluorescent screen from the mixed phosphors. **CONSTITUTION:**A green light emitting phosphor InBO3:Tb is mixed with other green light emitting phosphors until the time required for the afterglow of the mixture to decrease to 1/10 is decreased to 10ms when measured by the rester spot method. Examples of said other phosphors include Y3Al5-mGamO12:Tb, Y2SiO5:Tb and mixtures thereof, and it is desirable that the total amount of the other phosphors is at least 60wt.%. A green light emitting projection type cathode ray tube is produced by forming its fluorescent screen from the mixed phosphors. In this way, this tube can be freed from a drawback of the long afterglow of InBO3:Tb.

Data supplied from the **esp@cenet** database - Patent Abstracts of Japan